

Title (en)

VARIABLE STATOR BLADE MECHANISM FOR TURBOCHARGERS

Title (de)

VERSTELLBARER LEITSCHAUFELMECHANISMUS FÜR TURBOLADER

Title (fr)

MÉCANISME À AUBES DE STATOR À CALAGE VARIABLE POUR TURBOCOMPRESSEURS

Publication

EP 2035673 A4 20090701 (EN)

Application

EP 06744842 A 20060619

Priority

IB 2006001735 W 20060619

Abstract (en)

[origin: WO2007148145A1] A turbocharger with variable turbine geometry comprising of a turbine housing having an exhaust gas inlet and an outlet, a volute connected to the inlet, and a nozzle wall adjacent the volute, carrying a turbine wheel and is attached to a shaft with a plurality of improved aerodynamic profiled stator blades that are disposed within the turbine housing between the exhaust gas inlet and turbine wheel.

IPC 8 full level

F02D 23/00 (2006.01); **F01D 17/14** (2006.01); **F02B 37/00** (2006.01); **F02B 37/12** (2006.01); **F02C 6/12** (2006.01); **F02C 9/22** (2006.01)

CPC (source: EP US)

F01D 17/165 (2013.01 - EP US); **F02B 37/24** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US); **F05D 2250/70** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)

- [Y] GB 2398607 A 20040825 - KOMATSU MFG CO LTD [JP]
- [Y] EP 1158141 A2 20011128 - MITSUBISHI HEAVY IND LTD [JP]
- [Y] WO 2004022926 A1 20040318 - HONEYWELL INT INC [US], et al
- [Y] EP 0226444 A2 19870624 - GARRETT CORP [US]
- See references of WO 2007148145A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007148145 A1 20071227; EP 2035673 A1 20090318; EP 2035673 A4 20090701; EP 2035673 B1 20140611; US 2010166542 A1 20100701; US 8112995 B2 20120214

DOCDB simple family (application)

IB 2006001735 W 20060619; EP 06744842 A 20060619; US 30576906 A 20060619